

The Tenth Triennial International Fire & Cabin Safety Research Conference Executive Summary

The Tenth Triennial International Aircraft Fire and Cabin Safety Research Conference was held October 17-20, 2022, in Atlantic City, New Jersey, USA. This marked the tenth time this conference, held every three years, brought hundreds from the international aviation community together to share recent, ongoing, and planned research in the areas of aircraft fire and cabin safety. The conference theme was “Going Green – The Effect on Aircraft Cabin and Fire Safety”.

Highlights from the Opening Session included a Welcome Address by Dr. Eric Neiderman, Deputy Director of the William J. Hughes Technical Center, a Keynote Address by Ms. Jodi Baker, Federal Aviation Administration Deputy Associate Administrator for Aviation Safety and a talk from Ludovic Aron, European Union Aviation Safety Agency (EASA) Representative to the United States. The remaining Opening Session presentations tied in with the conference theme “Going Green – The Effect on Aircraft Cabin and Fire Safety” and included presentations by the United States Environmental Protection Agency, the National Aeronautics and Space Administration, Boeing, and Universal Hydrogen.

Three days of concurrent sessions followed the Opening Session. Session topics were:

- Cabin safety
- Crash dynamics, including occupant injury and large-scale crash data
- Cabin and flight deck fire protection
- Cargo hazards/risks/mitigations
- Cargo compartment fire protection
- Power plant and propulsion fire protection
- Fire research, including modeling and advanced materials.

The 2022 conference sponsoring authorities were:

- United States Federal Aviation Administration (FAA)
- European Union Aviation Safety Agency (EASA)
- Transport Canada Civil Aviation (TCCA)
- Agencia Nacional de Aviacao Civil of Brazil (ANAC)
- Japan Civil Aviation Bureau (JCAB)
- Australian Civil Aviation Safety Authority
- Civil Aviation Authority of Singapore (CAAS)
- United Kingdom Civil Aviation Authority
- Civil Aviation Administration of China (CAAC)
- Civil Aviation Authority of Israel

Six hundred thirty-four attendees from 23 countries participated in the conference. Attendees represented international aviation authorities, airlines, airframe manufacturers, fire extinguishing agent manufacturers, aircraft interiors manufacturers, cabin safety inspectors, human factors researchers, computer modelers, fire research and test laboratories, and academics.

Total Attendees **Countries Represented**

634

23

Countries Represented



FAA Attendees

88

Int'l Authorities Represented

9

Universities Represented

20

Aircraft Manufacturer Representation

Boeing:	68
Airbus:	23
Embraer:	13
Gulfstream:	10
Bombardier:	8
Textron Aviation:	4
Airbus Helicopters:	2
Boom Supersonic:	2
Israel Aerospace Industries:	1

Airframe Mfrs Represented

10

Airlines Represented

18

Previous Conferences

Year	Attendees
2013	563
2016	544
2019	645
2022	634

Presentations, comments, and input expressed at the Conference and in the 2022 Conference Proceedings are those of the presenters and do not necessarily reflect positions of the organizations represented. The 2022 Conference Proceedings were compiled by the Federal Aviation Administration (FAA) Technical Center Fire Safety Branch, Atlantic City International Airport, New Jersey, USA, and Diakon Solutions LLC, Cape May Court House, New Jersey, USA.